

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/10347

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : A61J 9/00, 9/04

US CL 215/11.1, 11.5

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 215/11.1, 11.4, 11.5

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2,774,500 A (BUDIANI) 18 DECEMBER 1956, note Figures 7 and 9.	14, 15 and 20
X	US 5,499,729 A (GREENWOOD ET AL) 19 MARCH 1996, see Figures 18-21.	23, 25 and 26
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Y		1-26
Y	US 2,060,212 A (HERSTEIN) 10 NOVEMBER 1936, see Figures 4 and 5.	1-3, 6, 9, 11-16, 18, 20 and 23-26
Y	US 2,365,947 A (GANSON) 26 DECEMBER 1944, see Figures 1 and 3.	1-3, 6, 9, 11-16, 18, 20 and 23-26

 Further documents are listed in the continuation of Box C.

See patent family annex.

Special categories of cited documents	*T*	Later document published after the international filing date or priority date and not in conflict with the application but used to understand the principle or theory underlying the invention.
A document defining the general state of the art which is not considered to be of particular relevance	*X*	document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
E earlier document published on or after the international filing date	*X*	document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
L document which may draw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*X*	document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
O document referring to an oral disclosure, use, exhibition or other means	*X*	document member of the same patent family
P document published prior to the international filing date but later than the priority date claimed	*X*	

Date of the actual completion of the international search

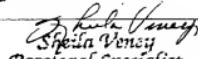
03 AUGUST 1998

Date of mailing of the international search report

24 AUG 1998

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 9,007,320 A (DUFORT) 12 JULY 1990, see Figure 3.	1, 2, 4-10 and 12-26
Y	US 5,601,199 A (MARTY) 11 FEBRUARY 1997, see Figure 3.	2
A	US 4,723,668 A (CHENG) 09 FEBRUARY 1988	
A	US 4,401,224 A (ALONSO) 30 AUGUST 1983	
A	US 2,982,432 A (MEHL) 02 MAY 1961	
A	GB 2,238,729 A (SIDI ET AL) 12 JUNE 1991	